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GENERAL ELECTRIC CO.

APPLICANT : YOSHIKAWA KOGYO CO LTD;

INVENTOR : MIYAMURA SEIICHI;

INT.CL. : C23G 3/02

TITLE : SINK ROLL FOR SALT BATH

ABSTRACT : PURPOSE: To improve the hardness, corrosion resistance and durability of a roll by forming a corrosion resistant film of a self-fluxing Ni alloy on the surface of the roll by thermal spraying.

CONSTITUTION: The surface of the body of a roll made of a rolled ordinary structural steel or the like is undercut, degreased and blasted. Self-fluxing Ni alloy powder is thermally sprayed on the blasted surface with a gas gun to form a film of about 1.5mm thickness and the film is polished. The self-fluxing Ni alloy is Ni-Si-B, Ni-Cr-Si-B, Co-Ni-Cr-Si-B or Ni-Cr-Si-WC, which is practically used after Mo, Cu, Fe or the like is added.

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